

531,928
10/531928

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
6 May 2004 (06.05.2004)

PCT

(10) International Publication Number
WO 2004/038720 A1

(51) International Patent Classification⁷: G11B 23/03 (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(21) International Application Number:
PCT/IB2003/004433

(22) International Filing Date: 6 October 2003 (06.10.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
02079391.5 22 October 2002 (22.10.2002) EP

(71) Applicant (*for all designated States except US*): KONINKLIJKE PHILIPS ELECTRONICS N.V. [NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): VAN ROMPAEY, Bart [BE/NL]; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). VAN SOMEREN, Bob [NL/NL]; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).

(74) Agent: SCHRIJNEMAEKERS, Hubert, J., M.; Philips Intellectual Property & Standards, Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).

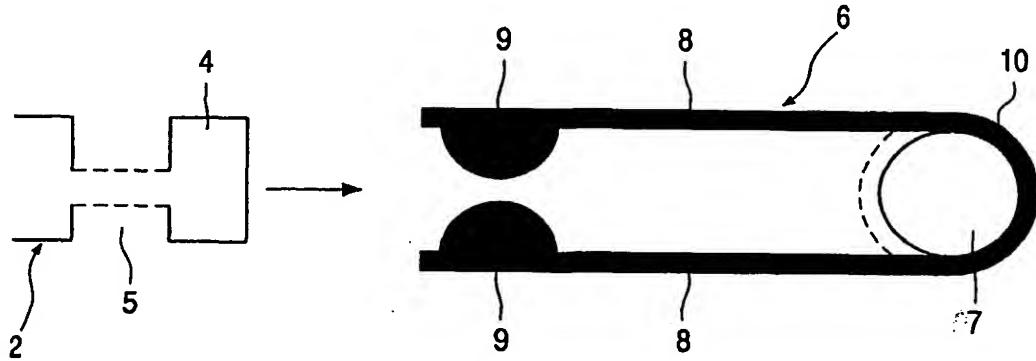
(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: DISK CARTRIDGE AND STORAGE ASSEMBLY



WO 2004/038720 A1

(57) Abstract: A disk cartridge and storage assembly comprises an optical disk and a housing (2) in which the disk is rotatably accommodated. The housing is adapted to be inserted into a disk drive together with the disk. The cartridge comprises at least a first coupling member (5) on the housing. The assembly is provided with a link element (6) to couple the cartridge to a storage support. A second coupling member (9) is provided on the link element and is adapted to be removably coupled to the first coupling member. In this way it is possible to store or transport one or more disk cartridges in a convenient manner.

INTERNATIONAL SEARCH REPORT

Int'l

Application No

PCT/IB 03/04433

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 G11B23/03

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G11B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 95/10834 A (SCHIAVONE VINCENT J) 20 April 1995 (1995-04-20) page 5, line 5 - line 16 -----	1, 28
Y	DE 93 05 499 U1 (BARL, GERTRUD) 8 July 1993 (1993-07-08) the whole document -----	1, 28
X	FR 2 744 555 A (BOUVIER ALAIN GABRIEL) 8 August 1997 (1997-08-08) the whole document -----	15, 19, 30
A	DE 196 01 601 C (DENK RALF DIPLO ING) 13 March 1997 (1997-03-13) the whole document ----- -/-	1

 Further documents are listed in the continuation of box C.

 Patent family members are listed in annex.

*** Special categories of cited documents :**

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the International filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

19 December 2003

Date of mailing of the international search report

07/01/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Ressenaar, J-P

INTERNATIONAL SEARCH REPORT

Int'l	Application No.
PCT/IB 03/04433	

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 95/27281 A (PHILIPS ELECTRONICS NV ; PHILIPS NORDEN AB (SE)) 12 October 1995 (1995-10-12) the whole document -----	1,28

INTERNATIONAL SEARCH REPORT

Inte

lication No

PCT/IB 03/04433

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
WO 9510834	A	20-04-1995	AU WO	8018494 A 9510834 A1	04-05-1995 20-04-1995	
DE 9305499	U1	08-07-1993	DE	9318069 U1	01-09-1994	
FR 2744555	A	08-08-1997	FR	2744555 A1	08-08-1997	
DE 19601601	C	13-03-1997	DE	19601601 C1	13-03-1997	
WO 9527281	A	12-10-1995	DE DE EP WO JP TW US	69513761 D1 69513761 T2 0702825 A1 9527281 A2 8511374 T 432365 B 5748604 A	13-01-2000 29-06-2000 27-03-1996 12-10-1995 26-11-1996 01-05-2001 05-05-1998	